

# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.

2323-151

Total Pages

197

First Named Inventor or Application Identifier

Mark T. KEATING et al.

Express Mail Label No.

## APPLICATION ELEMENTS

ADDRESS TO: Assistant Commissioner of Patents  
Box Patent Application  
Washington, D.C. 20231

1. ☒ Fee Transmittal Form  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification Total pages [109]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross references to Related Applications
  - Statement Regarding Fed sponsored R&D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings
  - Detailed Description
  - Claims
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 USC 113) (Total Sheets) [24]
- ☒ Oath or Declaration (Total Pages) [20]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from a prior application  
(37 CFR 1.63(d))  
(for continuation/divisional with Box 17 completed)

**[Note Box 5 below]**

☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- ☒ Incorporation by Reference (useable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☒ Paper Copy (identical to computer copy)  
(34 pages)
  - c. ☒ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement  
(when there is an assignee)
  - ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement /PTO 1449
  - ☐ Copies of IDS Citations
12. ☒ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ Small Entity Statement(s)
  - ☐ Statement Filed in prior application, Status still proper and desired
15. ☐ Certified Copy of Priority Document(s).  
(if foreign priority is claimed)
16. ☐ Other:

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

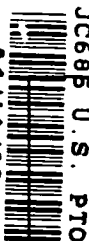
☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/135,010

## 18. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label or ☒ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

Name	Stephen A. Saxe, Ph.D., Reg. No. 38,609				
Address	Rothwell, Figg, Ernst & Manbeck Suite 701-East, 555 13th Street, N.W.				
City	Washington	State	D.C.	Zip Code	20004
Country	U.S.A.	Telephone	202-783-6040	Fax	202-783-6031

06/19/00

**FEE TRANSMITTAL****(Large Entity)***Complete if Known*

		Application Number		Filed Herewith			
		Filing Date		Filed Herewith			
		First Named Inventor		Mark T. KEATING et al.			
		Group Art Unit					
		Examiner Name					
Total Amount of Payment		(\$1,314.00		Attorney Docket Number		2323-151	

**METHOD OF PAYMENT** (check one)**FEE CALCULATION** (continued)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck

☒ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Charge for the Issue Fee Set in 37 CFR 1.18 at the Mailing of the Notice of Allowance

2. ☒ Payment Enclosed: Check

**FEE CALCULATION****1. FILING FEE**

Fee Description	Fee Code	Fee Paid
<input checked="" type="checkbox"/> Utility Filing Fee	101	690
<input type="checkbox"/> Design Filing Fee	106	310
<input type="checkbox"/> Plant Filing Fee	107	480
<input type="checkbox"/> Reissue Filing Fee	108	690
<input type="checkbox"/> Provisional Filing Fee	114	150
<b>SUBTOTAL</b>		<b>\$690.00</b>

**2. CLAIMS**

	Fee from	Extra	below	Fee Paid
Total Claims	12 - 20 =	x	\$18	=
Independent Claims	11 - 3 =	8 x	78	= 624
Multiple Dependent Claims		+	260	=

**SUBTOTAL** \$ 624.00**3. ADDITIONAL FEES**

Fee Description	Fee Code	Fee Paid
<input type="checkbox"/> Surcharge - late filing fee or oath	105	130
<input type="checkbox"/> Surcharge - late provisional filing fee or cover sheet	127	50
<input type="checkbox"/> Non-English specification	139	130
<input type="checkbox"/> For filing a request for reexamination	147	2,520
<input type="checkbox"/> Requesting publication of SIR prior to Examiner action	112	920
<input type="checkbox"/> Requesting publication of SIR after Examiner action	113	1,840*
<input type="checkbox"/> Extension for reply within first month	115	110
<input type="checkbox"/> Extension for reply within second month	116	380
<input type="checkbox"/> Extension for reply within third month	117	870
<input type="checkbox"/> Extension for reply within fourth month	118	1,360
<input type="checkbox"/> Extension for reply within fifth month	128	1,850
<input type="checkbox"/> Notice of Appeal	119	300
<input type="checkbox"/> Filing a brief in support of an appeal	120	300
<input type="checkbox"/> Request for Oral Hearing	121	260
<input type="checkbox"/> Petition to institute a public use proceeding	138	1,510
<input type="checkbox"/> Petition to revive -unavoidable	140	110
<input type="checkbox"/> Petition to revive - unintentional	141	1,210
<input type="checkbox"/> Utility issue fee (or reissue)	142	1,210
<input type="checkbox"/> Design issue fee	143	430
<input type="checkbox"/> Plant issue fee	144	580
<input type="checkbox"/> Petitions to the Commissioner	122	130
<input type="checkbox"/> Petitions related to provisional applications	123	50
<input type="checkbox"/> Submission of Information Disclosure Statement	126	240
<input type="checkbox"/> Recording each patent assignment per property (times number of properties)	581	40
<input type="checkbox"/> Filing a submission after final rejection (37 CFR .129(a))	146	690
<input type="checkbox"/> For each additional invention to be examined (37 CFR 1.129(b))	149	690

Other fee (specify)

[ ]

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL** \$

SUBMITTED BY			Complete (if applicable)		
NAME AND REG. NUMBER		Stephen A. Saxe, Ph.D., Reg. No. 38,609			
SIGNATURE		DATE	19 June 2000	DEPOSIT ACCOUNT USER ID	02-2135

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Mark T. KEATING et al.

Serial No.: Not Yet Assigned

Examiner: Not yet assigned

Filed: Herewith

Group Art Unit: Not yet assigned

For: KVLQT1 - A LONG QT  
SYNDROME GENE


STATEMENT PURSUANT TO 37 C.F.R. § 1.821(e)

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In the matter of the above-identified application, which is filed concurrently herewith, Applicants note that the Sequence Listing of the present application is identical to the Sequence Listing and the computer readable form submitted 30 May 2000 in parent application Serial No. 09/135,010, filed 17 August 1998. It is requested that said computer readable form of the Sequence Listing from the parent application be used for the present application.

Respectfully submitted,



Stephen A. Saxe, Ph.D.  
Registration No. 38,609

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Dated: 19 June 2000  
Docket No. 2323-151